

Grade 6 Academic Standards

Unit 1 Lesson

Science

Standard 1 The Scientific View of the World

Scientific Inquiry

6.1.2 Give examples of different ways scientists investigate natural phenomena and identify processes all scientists use, such as collection of relevant evidence, the use of logical reasoning, and the application of imagination in devising hypotheses and explanations, in order to make sense of the evidence.

6.1.4 Give examples of employers who hire scientists, such as colleges and universities,

Standard 3 The Physical Setting

The Earth and the Processes that Shape It

6.3.7 Understand and describe the scales involved in characterizing the Earth and its atmosphere. Describe that the Earth is mostly rock, that three-fourths of its surface is covered by a relatively thin layer of water, and that the entire planet is surrounded by a relatively thin blanket of air.

6.3.13 Identify, explain and discuss some effects human activities, such as the creation of pollution, have on weather and the atmosphere.

6.3.16 Explain that human activities, such as reducing the amount of forest cover, increasing the amount and variety of chemicals released into the atmosphere, and farming intensively, have changed the capacity of the environment to support some life forms.

Standard 4 The Living Environment

Interdependence of Life and Evolution

6.4.8 Explain that in all environments, such as freshwater, marine, forest, desert, grassland, mountain, and others, organisms with similar needs may compete with one another for resources, including food, space, water, air and shelter. Note that in any environment, the growth and survival of organisms depend on the physical conditions.

Social Studies

Standard 3 Geography

Environment and Society

- 6.3.13 Analyze and give examples of the consequences of human impact on the physical environment, and evaluate ways in which technology influences human capacity to modify the physical environment.
- 6.3.14 Give examples of how both natural and technological hazards have impacted the physical environment and human populations in specific areas of Europe and the Americas.

Standard 5 Individuals, Society, and Culture

- 6.5.5 Identify examples of inventions and technological innovations that have brought about cultural change in Europe and the Americas, and examine their impact.

Unit 1 - Activities 2, 3, 4, 6 and 7 satisfy the following Indiana academic standards:

Science

- 6.1.4 Give examples of employers who hire scientists, such as colleges and universities, businesses and industries.
- 6.1.9 Explain how technology can influence all things.
- 6.3.13 Identify, explain and discuss some effects human activities, such as the creation of pollution, have on weather and the atmosphere.
- 6.4.8 Explain that in all environments, such as freshwater, marine, forest, desert, grassland, mountain, and others, organisms with similar needs may compete with one another for resources, including food, space, water, air and shelter. Note that in any environment, the growth and survival of organisms depend on the physical conditions.
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Social Studies

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